



Interoffice Memo
Office of Design Policy & Support

DATE: 10/31/2019

FILE: P.I.# 0015568
Walton County / GDOT District 1 - Gainesville
Bridge Replacement - SR 83 @ Polecat Creek
1 mile NW of Good Hope

FROM:  for Brent Story, State Design Policy Engineer

TO: SEE DISTRIBUTION

SUBJECT: APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

Distribution:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3
Albert Shelby, Director of Program Delivery
Carol Comer, Director, Division of Intermodal
Darryl VanMeter, Assistant Director of P3/State Innovative Delivery Administrator
Kim Nesbitt, Program Delivery Administrator
Bobby Hilliard, Program Control Administrator
Paul Tanner, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Erik Rohde, State Project Review Engineer
Monica Fournoy, State Materials Engineer
Patrick Allen, State Utilities Engineer
Eric Conklin, State Transportation Data Administrator
Attn: Systems & Classification Branch
Benny Walden, Statewide Location Bureau Chief
Brandon Kirby, District Engineer
Sue Anne Decker, District Preconstruction Engineer
Yulonda Pride-Foster, District Utilities Manager
Joshua Pisani, Project Manager
BOARD MEMBER - 10th Congressional District



Quality Assurance Review Certification

Client Name: Georgia Department of Transportation.

Project Name: SR-83 Bridge Replacement

Project Number: PI0015568

Document(s)/Task(s) Reviewed:

Concept Report
Addressing reviewers comments

A Quality Assurance (QA) Review has been completed by the QA Reviewer(s) indicated below. The specific project document(s) and/or task(s) stated above were reviewed with the intention that the design and associated tasks regarding this project were undertaken in accordance with accepted engineering practices and requirements set forth by the Client. All work has been reviewed in regards to its technical soundness, ethical content, and cost effectiveness.

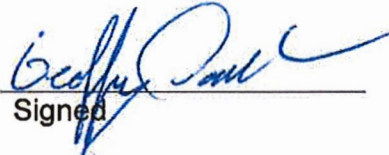
Project Manager

X
X

Deputy Project Manager

Task Manager

Geoffrey Donald (PM)
Name (Print)

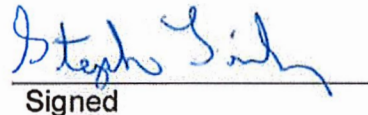

Signed

10-29-19
Date

Quality Assurance Reviewer (Civil Lead)

Steve Linley

Name (Print)


Signed

10-29-19
Date

Quality Assurance Reviewer (Discipline)

Name (Print)

Signed

Date

Note: This form is a tool to address the need to communicate the information required. The forms themselves are not required but proper documentation of the intended information is mandatory



Limited Scope Project Concept Report

* Recommendations on file

Project Type: Bridge Replacement P.I. Number: 0015568
GDOT District: 1 County: Walton
Federal Route Number: N/A State Route Number: 83
Project Number: N/A

Replacement of state route 83 bridge over Polecat creek approximately 1 mile NW of the town of Good Hope.

** Updated to address review comments

Submitted for approval:

Geoffrey Donald, WSP USA

9-10-2019

Date 9/13/19

Kimberly Nesbitt, State Program Delivery Administrator

Date 9-12-2019

Joshua Pisani, GDOT Project Manager

Date

Recommendation for approval:

* Eric Duff/KLP

Eric Duff, State Environmental Administrator

9-26-2019

Date

* Chris Raymond/KLP

For Andrew Heath, State Traffic Engineer

10-16-2019

Date

* Bill DuVall/KLP

Bill DuVall, State Bridge Engineer

9-30-2019

Date

* Sue Anne Decker/KLP

For Brandon Kirby, District 1 Engineer

10-18-2019

Date

☐ MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).

☒ Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

Paul Tanner, State Transportation Planning Administrator

Date

Approval:

Concur:

GDOT Director of Engineering

Date

Approve:

GDOT Chief Engineer

Date

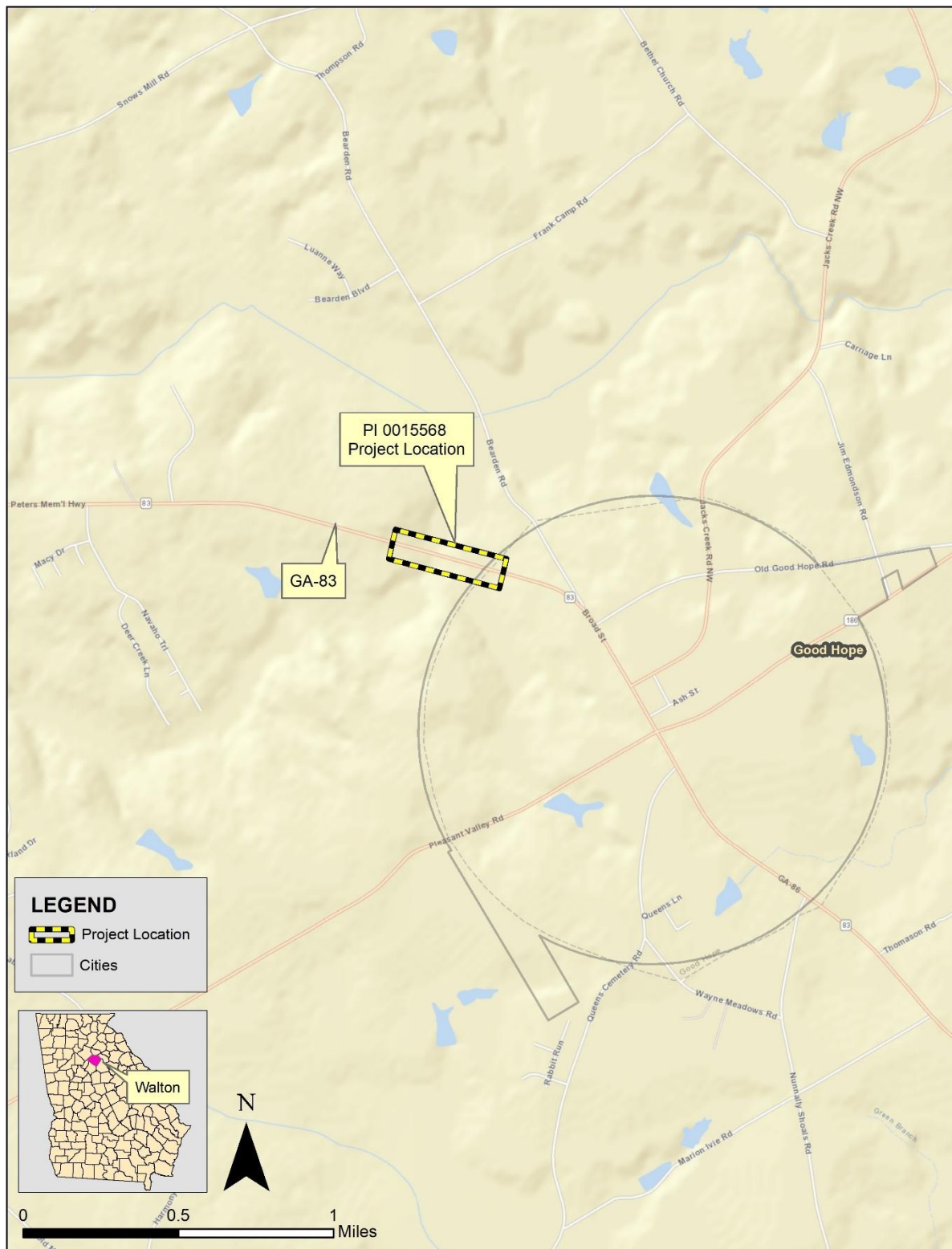
* Alan Hood, Airport Safety Data Manager, recommended on 9-30-2019

* Erik Rohde, State Project Review Engineer, recommended on 10-4-2019

* Stevonn Dilligard, State Utilities Construction Engineer, recommended on 10-28-2019

County: Walton

PROJECT LOCATION MAP



County: Walton

PLANNING & BACKGROUND DATA

Project Justification Statement:

The bridge on SR 83 over Polecat Creek, Structure ID 297-0024-0, was built in 1949. This bridge consists of a two (2) span continuous steel beams and one (1) simple span of steel beams on concrete caps with concrete encased steel H-Piles. This bridge was designed using an H-15 vehicle, which is below current design standards. The overall condition of the bridge would be classified as fair. The deck is in satisfactory condition with concrete cracking and minor spalling. The superstructure is in satisfactory condition with minor corrosion in the bearing areas. The substructure is in fair condition with minor cracking and moderate scour. Due to the bridge being below current design standards, the overall condition of the bridge, and it being scour critical due to its unknown foundation, replacement of this 71-year-old bridge is recommended.

Existing conditions: A two lane bridge that is 81 feet long and 29.3 feet wide. There are 2 foot concrete barriers on each side. It is approximately 1 mile Northwest from the GA 186 intersection. There are overhead utilities running parallel to the bridge on both sides.

Other projects in the area: The proposed offsite detour should be coordinated with the letting of project PI 0013998 which has a planned opening year of 2022. The coordination issue with PI 0013998 is that the proposed SR 83 detour will be using the SR 186 bridge that is scheduled for replacement, however the planned letting schedules seem to be in favor of one another at the moment.

MPO: N/A - not in an MPO

TIP #: N/A

Congressional District(s): 10

Federal Oversight: ☐ PoDI ☒ Exempt ☐ State Funded ☐ Other

Projected Traffic: AADT 24 HR T: 11.0%
Recent Year (2016): 3850 Open Year (2025): 4225 Design Year (2045): 5150
Traffic Projections Performed by: WSP USA
Date approved by the GDOT Office of Planning: Approved 8/08/2019

AASHTO Functional Classification (Mainline): Major Collector

AASHTO Context Classification (Mainline): Rural

AASHTO Project Type (Mainline): Reconstruction

Complete Streets - Bicycle, Pedestrian, and/or Transit Standards Warrants:

Warrants met: ☒ None ☐ Bicycle ☐ Pedestrian ☐ Transit

Pavement Evaluation and Recommendations

Initial Pavement Evaluation Summary Report Required? ☒ No ☐ Yes
Feasible Pavement Alternatives: ☒ HMA ☐ PCC ☐ HMA & PCC

DESIGN AND STRUCTURAL

Description of Proposed Project: This project will replace the existing 81 foot long bridge built in 1949 over Polecat Creek. The project begins around mile post 4.83 and ends at mile post 5.06 for total length of 0.23 miles. The proposed 92 foot bridge will consist of one 12 foot lane in each direction with 8 foot usable shoulders. During construction, the road will be closed for the 0.24 mile project and an offsite detour will be established for vehicles.

County: Walton

to reroute around the project. Accelerated bridge construction will be utilized to expedite the project and minimize traffic impacts.

Major Structures:

Structure	Existing	Proposed
297-0024-0	81' length; 29.3' width; 2 - 12' lanes; 2' concrete barrier on both sides; sufficiency rating of 51.4; concrete and steel	92' length; 43.25' width; 2 - 12' lanes; 8' shoulders; reinforced concrete

Accelerated Bridge Construction (ABC) techniques anticipated: ☐ No ☒ Yes

Accelerated bridge construction is to be utilized on this bridge and will reduce construction time, environmental impacts, utility relocations, and minimize impacts to the traveling public. ABC methods can be utilized on this project and are justifiable as can be demonstrated on the recently completed ABC bridge projects PI 0007159 and PI 0011690. These projects used ABC techniques like utilizing Ultra High Performance Concrete (UHPC) for precast decking panel closures and for HPC beam connections. The other time saving methods used on these projects was for the caps, end walls, end posts, and slab tie-ins; the designs utilized a 24-hour accelerated concrete to speed curing times. Because of this, these contractors were able to pour structures and remove forms on the following days. These projects were constructed on time in the allocated road closure time of 45 to 60 days.

Is the project located on a NHS roadway? ☒ No ☐ Yes

Is the project located on a Special Roadway or Network? ☒ No ☐ Yes *Network Type*

Mainline Design Features: SR 83 (Rural Major Collector)

Feature	Existing	Policy	Proposed
Typical Section			
- Number of Lanes	2		2
- Lane Width(s)	10'-6"	11'-12'	12'
- Median Width & Type	None	N/A	None
- Outside Shoulder Width	6'	4' (paved)/ 6'(total)	4' (paved)/ 10'(total)
- Outside Shoulder Slope	6%	6%	6%
- Sidewalks	None	N/A	None
Posted Speed	55		55
Design Speed	55	45	55
Minimum Horizontal Curve Radius	N/A (Tangent)	643' (6%) 587' (8%)	N/A (Tangent)
Maximum Superelevation Rate	N/A (Tangent)	6% or 8%	NC (Tangent)
Maximum Grade	3%	7%	3%
Access Control	By Permit	By Permit	By Permit
Design Vehicle	Unknown	WB-50	WB-50
Check Vehicle	Unknown	WB-67	WB-67
Pavement Type	HMA		HMA

**According to current GDOT design policy if applicable*

Design Exceptions/Design Variances to GDOT and/or FHWA Controlling Criteria anticipated:

None.

Design Variances to GDOT Standard Criteria anticipated:

None.

County: Walton

Lighting required: ☒ No ☐ YesOff-site Detours Anticipated: ☐ No ☐ Undetermined ☒ YesIf yes: Roadway type to be closed: ☐ Local Road ☒ State RouteDetour Route selected: ☐ Local Road ☒ State RouteDistrict Concurrence w/Detour Route: ☐ No/Pending ☒ Received 10/11/2019Transportation Management Plan [TMP] Required: ☐ No ☒ YesIf Yes: Project classified as: ☒ Non-SignificantTMP Components Anticipated: ☒ TTC

INTERCHANGES AND INTERSECTIONS

Interchanges/Major Intersections: None

Intersection Control Evaluation (ICE) Required: ☒ No ☐ Yes

UTILITY AND PROPERTY

Railroad Involvement: None.

Utility Involvements: Walton EMC, Windstream Telephone, Windstream CATV, Comcast CATV, City of Monroe Telecom, Comcast Telecom, Walton County WSA, City of Monroe Gas

SUE Required: ☐ No ☒ YesPublic Interest Determination Policy and Procedure recommended? ☒ No ☐ YesRight-of-Way (ROW): Existing width: 100 ft. Proposed width: 150 ft.Required Right-of-Way anticipated: ☐ None ☒ Yes ☐ UndeterminedEasements anticipated: ☐ None ☒ Temporary* ☐ Permanent ☐ Utility ☐ Other

* Temporary easements required for reconstruction of fencing.

Anticipated total number of impacted parcels:	<u>6</u>
Businesses:	<u>0</u>
Displacements anticipated: Residences:	<u>0</u>
Other:	<u>0</u>
Total Displacements:	<u>0</u>

Location and Design approval: ☐ Not Required ☒ RequiredImpacts to USACE property anticipated? ☒ No ☐ Yes ☐ Undetermined

CONTEXT SENSITIVE SOLUTIONS

Issues of Concern: None

Context Sensitive Solutions Proposed: N/A

County: Walton

ENVIRONMENTAL AND PERMITS

Anticipated Environmental Document: NEPA ~ PCE**Level of Environmental Analysis:**

- ☒ The environmental considerations noted below are based on preliminary desktop or screening level environmental analysis and are subject to revision after the completion of resource identification, delineation, and agency concurrence.
- ☐ The environmental considerations noted below are based on the completion of resource identification, delineation, and agency concurrence.

Water Quality Requirements:**MS4 Compliance – Is the project located in an MS4 area?** ☒ No ☐ Yes**Is Non-MS4 water quality mitigation anticipated?** ☒ No ☐ Yes**Environmental Permits, Variances, Commitments, and Coordination anticipated:**

USACE Section 404 Permit – Regional Permit 32

Air Quality:Is the project located in an Ozone Non-attainment area? ☐ No ☒ YesCarbon Monoxide hotspot analysis required? ☒ No ☐ Yes**NEPA Comments & Information:**

Ecology – Found 2 resources (streams, wetlands) within the Environmental Survey Boundary (ESB). Potential suitable habitat for Altamaha Shiner which is a state protected species. No federally protected species or habitat anticipated to be within the ESB.

History – No listed NRHP resources within the project APE. A history survey was completed and Historic Resources Survey Report (HRSR) report was prepared (HP No. 190626-002). Currently there are no resources recommended eligible for listing in the NRHP therefore, a Cultural Resources Assessment of Effects (AOE) report will be prepared. Both the HRSR and AOE will require State Historic Preservation Office (SHPO) concurrence. If SHPO concurs that no historic resources are eligible a No Historic Properties Affect (NHPA) report will be substituted for the AOE and would not require SHPO concurrence. Based on the current project information, an NHPA is anticipated.

Archeology – No listed NRHP resources within the project APE. An Archaeology Short Report was submitted on 8/14/2019 with negative findings.

Air quality – An Air Quality Impact Assessment is anticipated. The project would qualify as a project with no meaningful MSAT effects and would not result in increased CO concentrations.

Noise effects – A Noise Screen Assessment for Type III Projects is anticipated. The project would not add capacity or significantly alter the horizontal or vertical alignment of the roadway or bridge.

Public Involvement – Public involvement will be required as an off-site detour is proposed. PDOH is anticipated to be held in April 2020.

Environmental Document – Impacts as a result of the proposed project are not anticipated to be significant and are expected to fit within the criteria for use of a Programmatic Categorical Exclusion (PCE).

County: Walton

COORDINATION, ACTIVITIES, RESPONSIBILITIES, AND COSTS

Is Federal Aviation Administration (FAA) coordination anticipated?

☒ No☐ Yes

Project Meetings: Concept Team Meeting – 8/13/19 Minutes attached

Other coordination to date: Early coordination letters sent on June 18th to:

- Georgia Department of Natural Resources
- Walton County Board of Commissions
- Northeastern Georgia Regional Commission
- Walton County Planning and Development Department
- Mayor, City of Monroe
- Mayor, City of Good Hope
- Natural Resources Conservation Service

Project Activity	Party Responsible for Performing Task(s)
Concept Development	Consultant
Design	Consultant/GDOT
Right-of-Way Acquisition	GDOT
Utility Coordination (Preconstruction)	GDOT
Utility Relocation (Construction)	Utility Companies/City of Monroe
Letting to Contract	GDOT
Construction Supervision	GDOT
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, & Permits	Consultant
Environmental Mitigation	GDOT
Construction Inspection & Materials Testing	GDOT

Project Cost Estimate Summary and Funding Responsibilities:

	PE Activities		ROW	Reimbursable Utilities	CST*	Total Cost
	PE Funding	Section 404 Mitigation				
Programmed Cost:	\$600,000		\$250,000	\$50,000	\$1,800,000	\$2,700,000
Funded By:	GDOT/FHWA	GDOT	GDOT/FHWA	GDOT/FHWA	GDOT/FHWA	
Estimated Amount:	\$900,000	\$72,000	\$145,063	\$175,000	\$1,901,057	\$3,193,120
Date of Estimate:	8/13/19	7/19/19	9/9/19	7/25/19	10/25/19	
Cost Difference:	\$300,000		(\$104,937)	\$125,000	\$101,057	\$493,120

*CST Cost includes: Construction, Engineering and Inspection, Contingencies and Liquid AC Cost Adjustment.
 Cost Difference: Construction costs includes a 15% contingency. Additional state or federal funds may be required.

County: Walton

ALTERNATIVES DISCUSSION

Preferred Alternative: Replace the existing bridge on the same horizontal alignment with an off-site detour.			
Estimated Property Impacts:	6	Estimated Total Cost:	\$3,193,120
Estimated ROW Cost:	\$145,063	Estimated CST Time:	6 months
Rationale: This alternative meets the goals of the Project Justification and by utilizing ABC bridge construction techniques will reduce the cost of construction while minimizing impacts to the traveling public. It is estimated that the bridge will only be closed for 45 days and will be scheduled during the summer months when school is not in session. There are multiple alternate detour routes that can be utilized by the locals. The alternate route between Madison and Monroe utilizing I-20 and SR 11 is approximately 4 miles longer than utilizing SR 83. The District office has recommended their support for the offsite detour option. They also have indicated that the offsite detour will need to be coordinated with the letting of project PI 0013998, these coordination details will be worked out with the District office during preliminary design. (see discussion on “Other projects in the area”)			

No-Build Alternative:			
Estimated Property Impacts:	N/A	Estimated Total Cost:	0
Estimated ROW Cost:	0	Estimated CST Time:	N/A
Rationale: The existing bridge does not meet current structural design standards and will continue to deteriorate if not replaced. The no-build alternative does not meet the need and purpose of the project.			

Alternative 1: Replace the existing bridge with a new bridge constructed on existing horizontal alignment. During construction, traffic will use a temporary bridge constructed on parallel offset alignment to the north.			
Estimated Property Impacts:	6	Estimated Total Cost:	\$3,644,144
Estimated ROW Cost:	\$220,219	Estimated CST Time:	18 months
Rationale: This alternative is more costly than the preferred alternative and would have the longest construction duration. On-site detours also tend to tunnelize the flow of traffic around the work zone creating a potentially traffic bottleneck if there is an accident or breakdown.			

Alternative 2: Replace the existing bridge with a multi barrel box culvert utilizing off-site detour.			
Estimated Property Impacts:	0	Estimated Total Cost:	\$1,500,000
Estimated ROW Cost:	\$175,000	Estimated CST Time:	6 months
Rationale: Per GDOT practice, culverts are not used in areas of significant beaver activity. There are three main beaver dams noted by a local landowner. Water is impounded at the crossing, with a beaver dam visible on a tributary just upstream.			

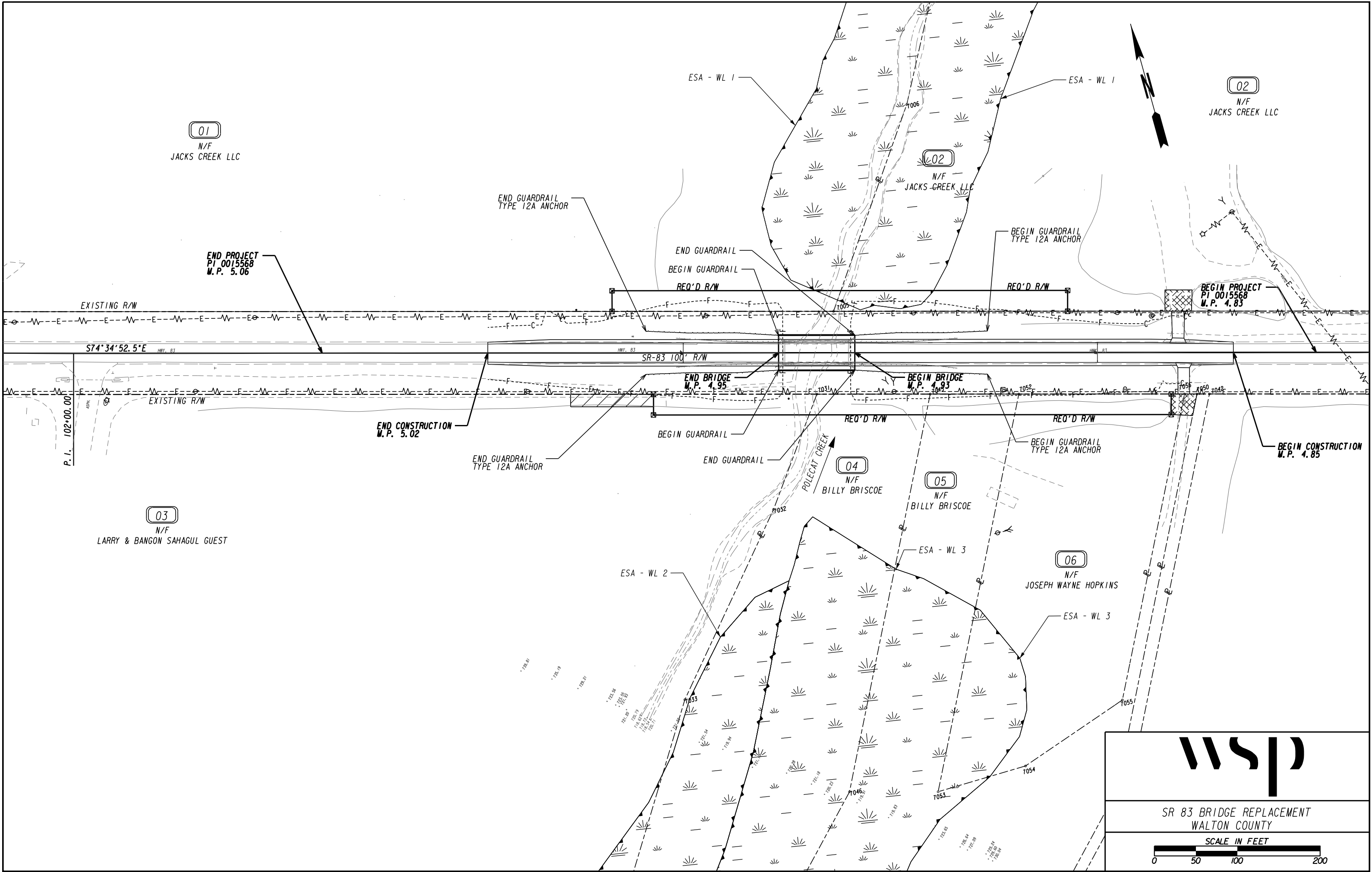
Alternative 3: Replace the existing bridge on new alignment to the north			
Estimated Property Impacts:	9	Estimated Total Cost:	\$4,500,000
Estimated ROW Cost:	\$500,000	Estimated CST Time:	18 months
Rationale: This alternative would be the costliest of the alternatives investigated as it would extend the limits of the project to the horizontal curves on each side of the bridge. This alternative would also effect more properties and have more environmental impacts.			

Additional Comments/ Information: None

County: Walton

LIST OF ATTACHMENTS/SUPPORTING DATA

1. Concept Layout
2. Detour Map
3. Typical sections
4. Detailed Cost Estimates:
 - a. Construction including Engineering and Inspection and Contingencies
 - b. Revisions to Programmed Costs forms, & Liquid AC Cost Adjustment forms
 - c. Right-of-Way
 - d. Utilities
 - e. Environmental Mitigation
5. Concept Utility Report
6. Traffic projections
7. S I & A Report
8. Pavement Design
9. Meeting Minutes
10. Email showing District 1 support for offsite detour.

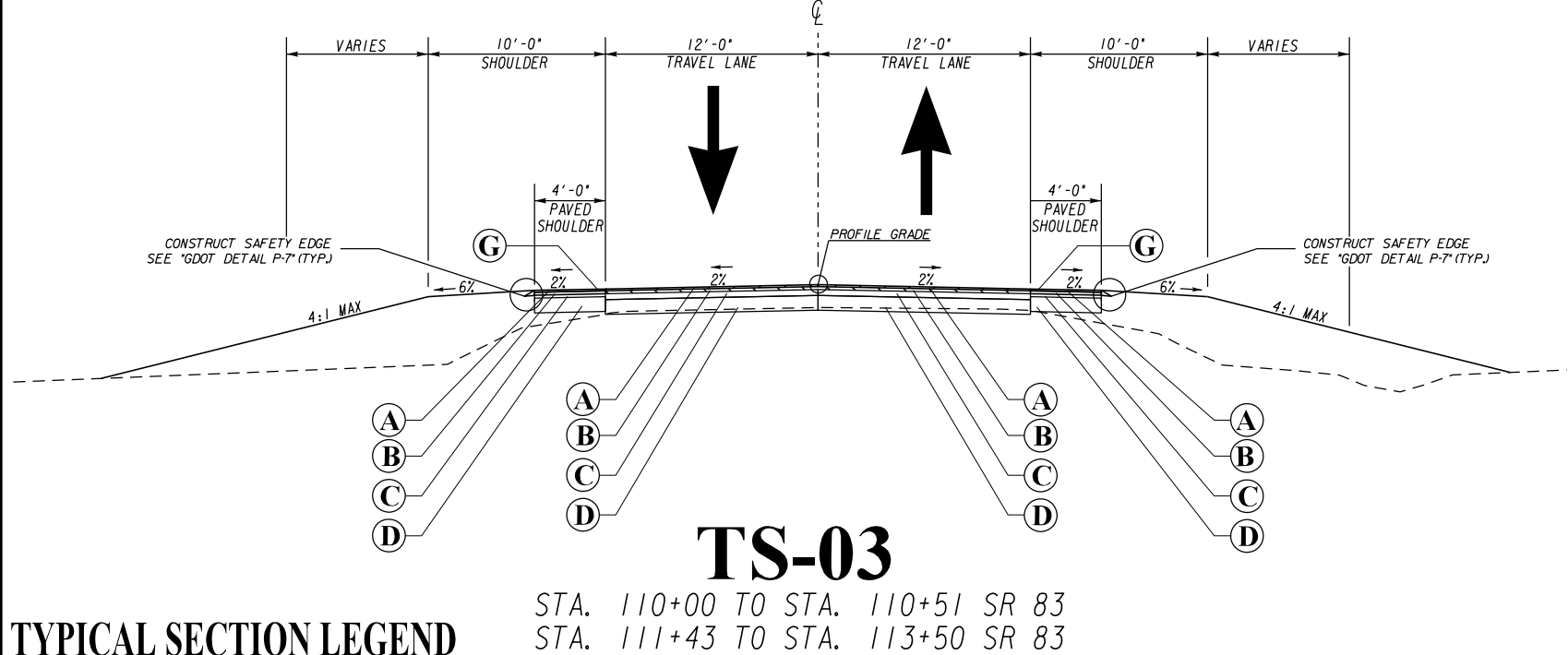
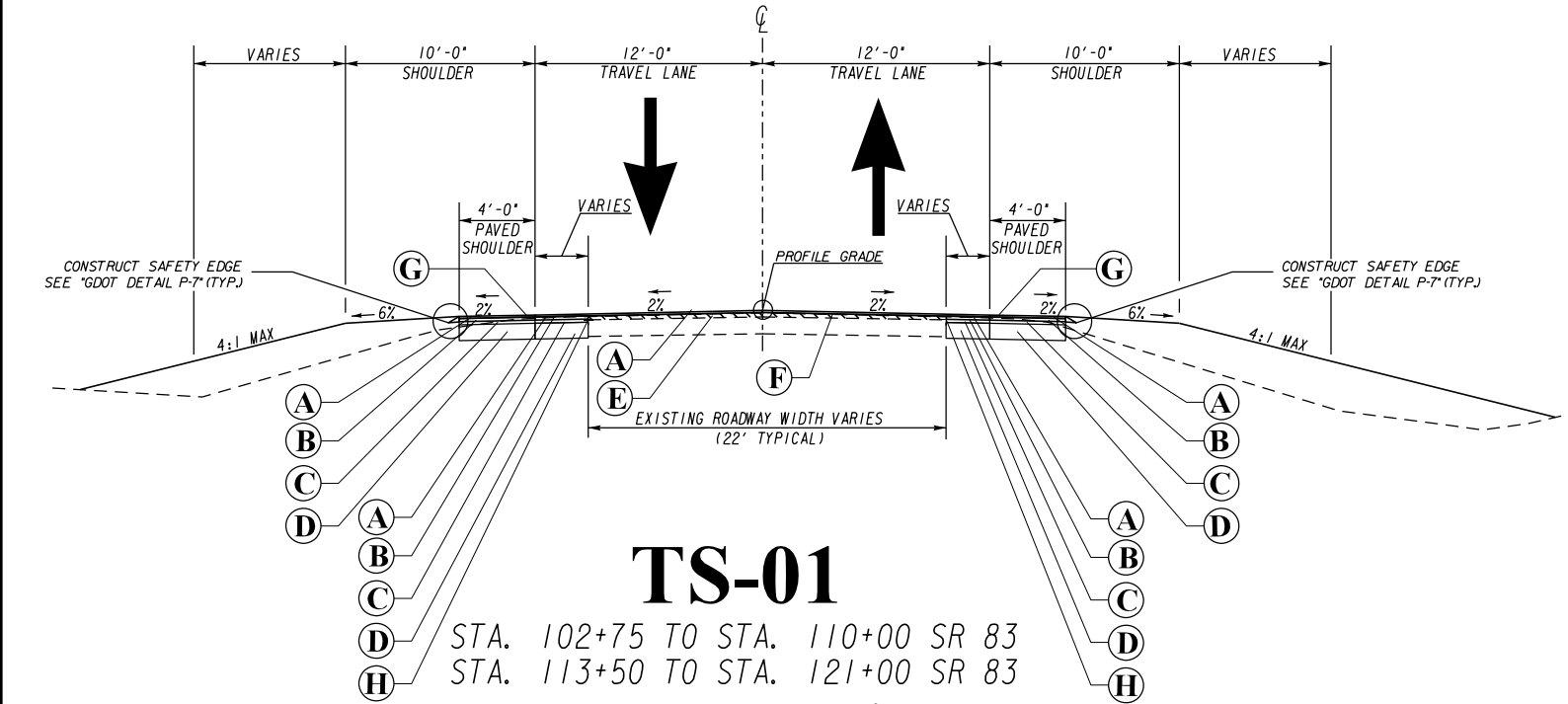


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SR 83 BRIDGE REPLACEMENT
WALTON COUNTY

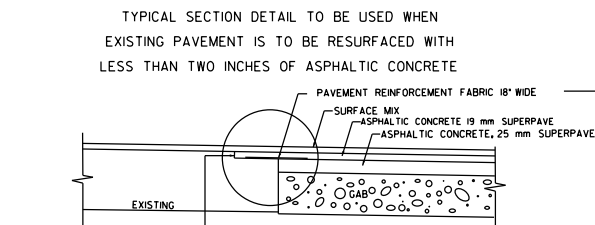
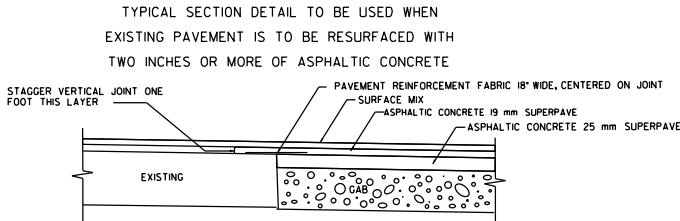
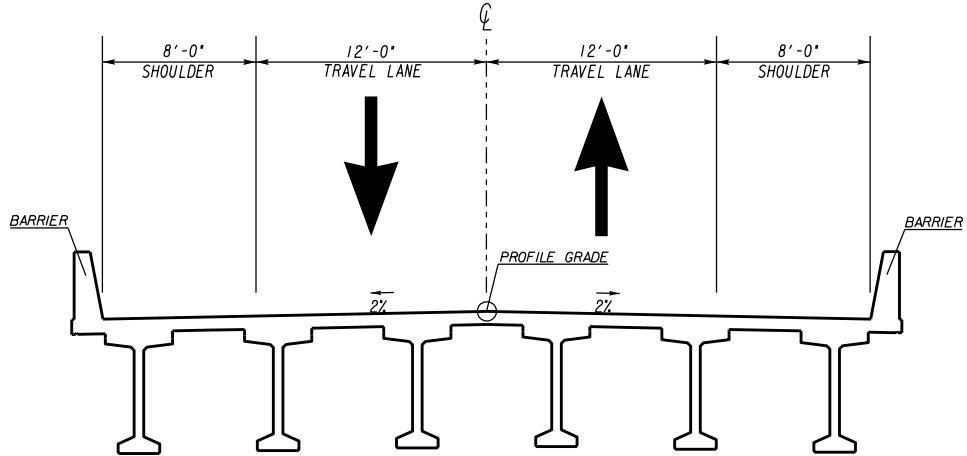
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TYPICAL SECTION LEGEND

- (A) RECYCLED ASPHALTIC CONCRETE 9.5MM SUPERPAVE, TYPE 11, GP 2 ONLY, INCL BITUM MATL & H LIME - 135*/SY
- (B) RECYCLED ASPHALTIC CONCRETE 19MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 220*/SY
- (C) RECYCLED ASPHALTIC CONCRETE 25MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME - 440*/SY
- (D) GRADED AGGREGATE BASE CRS, 10", INCL MATL
- (E) RECYCLED ASPH. CONC. LEVELING, INCL. BITUM. MATL. & H LIME - AS REQUIRED
- (F) VARIABLE DEPTH MILLING
- (G) 16 INCH INDENTATION RUMBLE STRIP, SEE GDOT CONST. DETAIL T-25
- (H) PAVEMENT REINFORCEMENT FABRIC TYPE 11, 18" WIDE, CENTERED ON JOINT, SEE DETAIL ON THIS SHEET



FILE P.I. No. **0015568**

OFFICE Program Delivery

PROJECT DESCRIPTION

SR 83 @ Polecat Creek 1 MI NW of Good Hope

DATE October 25, 2019

From: Kimberly W. Nesbitt, State Program Delivery Administrator

To: Erik Rohde, P.E., State Project Review Engineer
via Email Mailbox: CostEstimatesandUpdates@dot.ga.gov

Subject: REVISIONS TO PROGRAMMED COSTS

MGMT LET DATE 12/15/2021

PROJECT MANAGER Davida White

MGMT ROW DATE 12/15/2020

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 1,800,000.00

DATE

RIGHT OF WAY \$ 250,000.00

DATE

UTILITIES \$ 50,000.00

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$ 1,901,056.89

RIGHT OF WAY \$ 145,063.65

UTILITIES \$ TBD

*Cost Contains **15** % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

The project is currently in the Concept Phase. A preferred alternative has been identified. A 15% contingency was chosen due to the level of engineering at this time. As the engineering proceeds into preliminary and final design the contingency value will be decreased.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$ 1,564,577.20	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$ 78,228.86	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$ 246,420.91	Base Estimate (A + B) x	15 %
		See % Table in "Risk Based Cost Estimation" Memo	
D. TOTAL LIQUID AC ADJUSTMENT:	\$ 11,829.92	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$ 1,901,056.89	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Walton EMC	\$70,000
Windstream Telephone	\$ 105,000.00
TOTAL	\$ 175,000.00

ATTACHMENTS: (File Copy in the Project Cost Estimate Folder)

Detailed Cost Estimate Printout
Liquid AC Adjustment Spreadsheet

Consultant Validation of Final QC/QA for Construction Cost Estimate Used in This Revision To Programmed Costs

COMPANY NAME: WSP USA

VALIDATION OF FINAL QC/QA

PRINTED NAME: Geoffrey Donald

TITLE: Senior Project Manager

SIGNATURE: 

DATE: October 25, 2019

PROJ. NO.
P.I. NO. 0015568
DATE 7/15/2019

CALL NO. 0/00/2016

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Oct-19	\$ 2.536
DIESEL		\$ 2.952
LIQUID AC		\$ 514.00

Link to AC Index:
<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)					11565	\$	11,565.00
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	822.40			
Monthly Asphalt Cement Price month project let (APL)			\$	514.00			
Total Monthly Tonnage of asphalt cement (TMT)				37.5			

ASPHALT	Tons	%AC	AC ton
Leveling	175	5.0%	8.75
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	200	5.0%	10
25 mm SP	250	5.0%	12.5
19 mm SP	125	5.0%	6.25
	750		37.5

BITUMINOUS TACK COAT

Price Adjustment (PA)				\$	264.92	\$	264.92
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	822.40			
Monthly Asphalt Cement Price month project let (APL)			\$	514.00			
Total Monthly Tonnage of asphalt cement (TMT)				0.859020184			

Bitum Tack

Gals	gals/ton	tons
200	232.8234	0.85902018

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)					0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	822.40			
Monthly Asphalt Cement Price month project let (APL)			\$	514.00			
Total Monthly Tonnage of asphalt cement (TMT)				0			

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT \$ 11,829.92

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

JOB NUMBER : 0015568 SPEC YEAR: 13
DESCRIPTION: SR 83 @ POLECAT CREEK
1 MI NW OF GOOD HOPE

ITEMS FOR JOB 0015568

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 0015568	1.000	150000.00	150000.00
0015	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	90532.72	90532.73
0020	163-0232		AC	TEMPORARY GRASSING	1.000	553.94	553.94
0025	163-0240		TN	MULCH	25.000	285.71	7142.81
0030	163-0300		EA	CONSTRUCTION EXIT	2.000	1709.37	3418.75
0034	163-0520		LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	200.000	19.11	3822.55
0035	163-0527		EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	4.000	456.37	1825.50
0040	163-0528		LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	100.000	16.20	1620.99
0045	163-0529		LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	100.000	8.85	885.39
0060	163-0541		EA	CONSTR & REM ROCK FILTER DAMS	2.000	830.67	1661.36
0065	163-0542		EA	CONSTR & REM STONE FILTER RING	2.000	758.62	1517.25
0070	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	1000.000	0.81	818.37
0075	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	500.000	1.37	685.31
0080	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	100.000	8.44	844.20
0095	165-0071		LF	MAINT OF SEDIMENT BARRIER - BALED STRAW	100.000	2.85	285.83
0100	165-0101		EA	MAINT OF CONST EXIT	2.000	738.40	1476.81
0105	165-0110		EA	MAINT OF ROCK FILTER DAM	2.000	306.69	613.39
0110	165-0111		EA	MAINT OF STONE FILTER RING	2.000	254.37	508.75
0115	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	2.000	280.05	560.11
0120	167-1500		MO	WATER QUALITY INSPECTIONS	12.000	724.79	8697.60
0125	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	2000.000	2.31	4634.22
0130	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	1000.000	4.16	4162.72
0135	210-0100		LS	GRADING COMPLETE - 0015568	1.000	150000.00	150000.00
0200	310-1101		TN	GR AGGR BASE CRS, INCL MATL	625.000	39.87	24923.14
0205	318-3000		TN	AGGR SURF CRS	100.000	34.49	3449.13
0210	402-1812		TN	RECYL AC LEVELING,INC BM&HL	175.000	85.00	14875.00
0214	402-3103		TN	REC AC 9.5 MM SP,TPII,GP2, INCL BM & H L	200.000	80.00	16000.00
0215	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	250.000	70.00	17500.00
0220	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	125.000	75.00	9375.00
0225	413-0750		GL	TACK COAT	200.000	2.00	400.00
0229	432-0206		SY	MILL ASPH CONC PVMT/ 1.50 DEP	500.000	10.72	5362.92
0230	433-1000		SY	REINF CONC APPROACH SLAB	284.000	216.19	61398.34
0235	441-0303		EA	CONC SPILLWAY, TP 3	2.000	2377.24	4754.49
0238	446-1100		LF	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	1250.000	7.50	9382.01
0239	456-2012		GLM	INTENT. RUMB. STRIPS - GRND-IN-PL	0.300	1602.04	480.61

0244	540-1101	LS	(CONT) REM OF EX BR, STA NO - 111+00	1.000	109000.00	109000.00
0249	543-9000	LS	CONSTR OF BRIDGE COMPLETE - NO. 1 92 X 43	1.000	775000.00	775000.00
0254	550-2180	LF	SIDE DR PIPE 18,H 1-10	120.000	39.35	4722.23
0259	550-3418	EA	SAFETY END SECTION 18,SD,4:1	4.000	498.11	1992.44
0264	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24	200.000	65.43	13087.22
0269	603-2181	SY	STN DUMPED RIP RAP, TP 3, 18	25.000	64.34	1608.73
0274	603-7000	SY	PLASTIC FILTER FABRIC	225.000	4.69	1056.56
0284	632-0003	EA	CHANGEABLE MESS SIGN,PORT,TP 3	2.000	8350.65	16701.31
0288	634-1200	EA	RIGHT OF WAY MARKERS	8.000	134.35	1074.83
0289	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	18.000	20.83	375.09
0294	636-2070	LF	GALV STEEL POSTS, TP 7	26.000	12.11	315.08
0299	641-1100	LF	GUARDRAIL, TP T	83.000	73.12	6069.62
0304	641-1200	LF	GUARDRAIL, TP W	600.000	21.13	12683.75
0309	641-5015	EACH	GUARDRL ANCHOR, TP 12A, 31 IN, TANG, E/A	4.000	1500.00	6000.00
0314	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	1616.000	1.06	1720.81
0319	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	1216.000	0.99	1206.17
0323	653-3502	GLF	THERMO SKIP TRAF ST, 5 IN, YEL	400.000	0.51	204.63
0324	654-1001	EA	RAISED PVMT MARKERS TP 1	50.000	5.56	278.16
0329	657-1085	LF	PRF PL SD PVT MKG,8,B/W,TP PB	184.000	7.65	1409.06
0333	657-3086	GLF	FPR PL SK PVMT MKG,8,B/Y,TPPB	92.000	4.16	382.88
0334	657-6085	LF	PRF PL SD PVMT MKG,8,B/Y,TPPB	92.000	7.58	697.55
0339	700-6910	AC	PERMANENT GRASSING	2.000	1065.03	2130.07
0344	700-7000	TN	AGRICULTURAL LIME	4.000	78.29	313.18
0349	700-8000	TN	FERTILIZER MIXED GRADE	1.000	652.43	652.44
0353	700-8100	LB	FERTILIZER NITROGEN CONTENT	100.000	2.92	292.62
0354	716-2000	SY	EROSION CONTROL MATS, SLOPES	1000.000	1.43	1433.55

ITEM TOTAL						1564577.19
INFLATED ITEM TOTAL						1564577.20

TOTALS FOR JOB 0015568						

ESTIMATED COST:						1564577.20
CONTINGENCY PERCENT (0.0):						0.00
ESTIMATED TOTAL:						1564577.20

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 9/9/2019

Project:

Revised:

County: Walton

PI: 15568

Description: SR 83 Bridge Replacement

Project Termini: SR 83 @ Polecat Creek

Existing ROW: Varies

Parcels: 6

Required ROW: Varies

Land and Improvements \$9,138.65

Proximity Damage \$0.00

Consequential Damage \$0.00

Cost to Cures \$0.00

Trade Fixtures \$0.00

Improvements \$0.00

Valuation Services \$24,375.00

Legal Services \$41,550.00

Relocation \$18,000.00

Demolition \$0.00

Administrative \$52,000.00

TOTAL ESTIMATED COSTS \$135,925.00

TOTAL ESTIMATED COSTS (ROUNDED) \$145,063.65

Prepared By:	Cheryl H. Brewer		9/9/2019
	Print Name	Signature	Date

Cost Estimation Supervisor :			
	Print Name	Signature	Date

NOTE: Supervisor is only attesting that the estimate was completed using the correct information provided for the the project. The Supervisor is not attesting to property values or the accuracy of the market value estimations provided in this report. No Market Appreciation is included in this Preliminary Cost Estimate.

Comments:



Interoffice Memo

FILE

Project No: n/a
County: Walton
P.I.#: 0015568

Office: GAINESVILLE
Date: July 25, 2019

Description: SR 83 @ Polecat Creek-Bridge Replacement

FROM Yulonda Pride-Foster, District Utilities Manager

TO Joshua Pisani, Project Manager

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

A review of utilities located on the above referenced project has been conducted with Concept Layout plans. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

Utility Owner	Reimbursable	Non-Reimbursable	In Contract/CIA (Non-Reimbursable)	Estimate Based on
Walton EMC	\$70,000.00	\$70,000.00	\$0.00	Site Visit / Available Drawings
Windstream Telephone	\$105,000.00	\$171,500.00	\$0.00	Site Visit / Available Drawings
Windstream CATV	\$0.00	\$21,000.00	\$0.00	Site Visit / Available Drawings
Comcast CATV	\$0.00	\$21,000.00	\$0.00	Site Visit / Available Drawings
City of Monroe Telecom **	\$0.00	\$31,500.00	\$0.00	Site Visit / Available Drawings
Comcast Telecom	\$0.00	\$31,500.00	\$0.00	Site Visit / Available Drawings
Walton County WSA **	\$0.00	\$213,350.00	\$0.00	Site Visit / Available Drawings
City Of Monroe Gas **	\$0.00	\$210,000.00	\$0.00	Site Visit / Available Drawings
Total 100.00%	\$175,000.00	\$769,850.00	\$0.00	
Department Responsibility 100.00%	\$175,000.00		\$0.00	
Local Sponsor Responsibility 0.00%	\$0.00		\$0.00	PFA Dated N/A with N/A

** Indicates Potential Utility Aid Request from Local Gov't

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact Lynn Palmer at 770-533-8319.

cc: Patrick Allen, State Utilities Administrator
Vacant, State Utilities Preconstruction Manager
Sue Anne Decker, District Preconstruction Engineer
Shannon Giles, Area Manager
File

From: Westberry, Lisa [<mailto:lwestberry@dot.ga.gov>]
Sent: Friday, July 19, 2019 9:20 AM
To: Henry, Jeff <JHenry@dot.ga.gov>; Donald, Geoffrey <Geoffrey.Donald@wsp.com>
Cc: Dollar, Robert (Bobby) <RDollar@dot.ga.gov>; Pisani, Joshua <JPisani@dot.ga.gov>
Subject: PI 0015568, Walton County - Estimated Mitigation Cost for Concept Report

As requested, the estimated mitigation costs for the subject project is **\$72,000.00**. This estimate is based on a review of aerial photography, NWI mapping, and NRCS soil surveys and not an actual field verification. The total cost of mitigation credits could remain the same or change once the ecology field survey is complete.

If you should have any questions or need any additional information, please do not hesitate to contact me.

Lisa Westberry
Special Projects Coordinator



Office of Environmental Services
One Georgia Center, 16th Floor
600 West Peachtree Street, NW
Atlanta, GA, 30308
404.631.1772

Hands-free cell phone use is the law when driving in Georgia. When drivers use cell phones and other electronic devices it must be with hands-free technology. There are many facets to the law. For details, visit <https://www.gahighwaysafety.org/highway-safety/hands-free-law/>

Concept Utility Report

Project Number: [Click here to enter text.](#)

District: D1 Gainesville

County: Walton

Prepared by: Terri Holbrook

P.I. # 0015568

Date: August 9, 2019

Project Description: SR 83 @Polecat Creek-Bridge Replacement

The information provided herein has been gathered from Georgia811and/or field visits and serves as an estimate. Nothing contained in this report is to be used as a substitute for 1st Submission or SUE.

Are SUE services recommended? Yes

Level: ☐A ☒B ☐C ☐D

Public Interest Determination (PID):

☐Automatic ☐Mandatory ☐Consideration ☒No Use ☐Exempt

Is a separate utility funding phase recommended? No

Potential Project (Schedule/Budget) Impacts: N/A

Capital Improvement Projects (Utilities) Anticipated in the Area: N/A

Project Specific Recommendations for Avoidance/Mitigation: N/A

Right of Way Coordination: We request that all easement be bought as permanent right of way, or included the clause to include utilities.

Environmental Coordination: N/A

Additional Remarks: The use of a temporary bridge is driving the cost up.

Utilities have facilities within the project limits.

Utilities have been identified using Georgia811 and/or field visits.

Facility Owner	Facility Owner Contact Email Address	Existing Facilities/ Appurtenances	General Description of Location	Facilities to Avoid <i>approx. limits</i>	Facilities Retention Recommended <i>approx. limits</i>	Comments
Walton EMC	Ron Marshall rmarshall@waltonemc.com	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Windstream Telephone	Harry Warren harry.warren@windstream.com	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Windstream CATV	Harry Warren Harry.warren@windstream.com	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Comcast CATV	Christopher Bates Christopher_Bates2@cable.comcast.com	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
City of Monroe Telecom	Brian Thompson bkt@monroega.gov	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Comcast Telecom	Christopher Bates Christopher_Bates2@cable.comcast.com	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
Walton County WSA	Morris Jordan morris.jordan@co.walton.ga.us	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.
City of Monroe Gas	Rodney Middlebrooks rmiddlebrooks@monroega.gov	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.	Click here to enter text.

Note: To add additional rows, click the bottom right corner of the box above, then click the blue + that will appear. Please add additional rows prior to entering text.

DATE: 8/8/2019

FROM: Paul Tanner, State Transportation Planning Administrator

TO: Kimberly Nesbitt, State Program Delivery Administrator

Attention: Joshua Pisani

SUBJECT: Design Traffic Forecasts for PI# 0015568, Walton County, GA-83 Bridge Replacement over Polecat Creek, 1 mile NW of Good Hope.

Per request, we have reviewed the consultant's design traffic forecasts for the above project. Based on the information furnished, we find the design traffic forecasts to be satisfactory, and the design traffic forecasting task to be complete for the above project. The reviewed and approved design traffic forecasts for the above project is as follows:

BRIDGE ID # 297-0024-0

Build = No Build	2016 (Existing Year)	2025 (Base Year)	2027 (Base Year +2)	2045 (Design Year)	2047 (Design Year + 2)
AADT	3,850	4,225	4,300	5,150	5,250
DHV (AM/PM)	335/305	360/340	365/345	440/410	445/420
K% (AM/PM)	8.5% / 8%	Same as Existing Year			
D% (AM/PM)	66% / 60%				
24 HR. T% - S.U.	6.5%				
24 HR. T% - COMB.	4.5%				
24 HR. T% - TOTAL	11%				
T% - S.U. (AM/PM)	8.5%/ 6.5%				
T% - COMB. (AM/PM)	3.5%/ 4.0%				
T% - TOTAL (AM/PM)	12.0%/ 10.5%				

If you have any questions concerning this information, please contact Dan Funk at 404 631 1959.

RPT/df

Georgia Department of Transportation Bridge Inventory Data Listing

Processed Date:Jul-15-2019 10:07:46 AM

Parameters: Bridge Serial Number

Bridge Serial Number: 297-0024-0

County: Walton

SUFF. RATING: 51.4

Location & Geography

Structure ID: 297-0024-0

200 Bridge Information: 06

*6 Feature Intersected: POLECAT CREEK

*7A Route Number Carried: SR00083

*7B Facility Carried: SR 83

9 Location: 1 MI NW OF GOOD HOPE

2 GDOT District: 4841100000 - D1 DISTRICT ONE GAINESVILLE

*91 Inspection Frequency: 24 Date: Aug-02-2017

92A Fracture Critical Insp. Freq: 0 Date: Feb-01-1901

92B Underwater Insp Freq: 0 Date: Feb-01-1901

92C Other Spc. Insp Freq: 0 Date: Feb-01-1901

* 4 Place Code: 00000

*5A Inventory Route(O/U): 1

5B Route Type: 3 - State

5C Service Designation: 1- Mainline

5D Route Number: 00083

5E Directional Suffix: 0. Not applicable

*16 Latitude: 33 - 47.6082

*17 Longitude: 83 - 37.3206

98A Border Bridge: 0 98B: GA% 00

99 ID Number: 0000000000000000

*100 STRAHNET: 0- The Feature is not a STRAHNET route.

12 Base Highway Network: Yes

13A LRS Inventory Route: 2971008300

13B Sub Inventory Route: 0

101 Parallel Structure: N. No parallel structure exists

*102 Direction of Traffic: 2- Two Way

*264 Road Inventory Mile Post: 4.98

*208 Inspection Area: Area 07

*104 Highway System: 0- Inventory Route is not on the NHS

*26 Functional Classification: 7- Rural - Major Collector

*204A Federal Route Type: S - Secondary.

*204B Federal Route Number: 02938

105 Federal Lands Highway: 0. Not applicable

*110 Truck Route: 0- The Feature is not part of the National Network for Trucks

217 Benchmark Elevation: 0000.00

* Location ID No: 297-00083D-005.05N

218 Datum:

*19 Bypass Length: 2

*20 Toll: 3- On a Free Road or Non-Highway

*21 Maintenance Responsibility: 01-State Highway Agency.

*22 Owner: 01-State Highway Agency.

*31 Design Load: 2- H 15

37 Historical Significance: 5- Not eligible for the National Register of Historic Places

205 Congressional District: 010

27 Year Constructed: 1947

106 Year Reconstructed: 0

33 Bridge Median: 0-None

34 Skew: 0

35 Structure Flared: No

38 Navigation Control: 0- Navigation is not controlled by an Agency

213 Special Steel Design: 0- Not applicable or other

267A Type Paint Super Structure: 2- Non-Lead Oil Alkyd System (System IV). Year : 1989

267B Type Paint Sub Structure: 5 - Waterborne System (Type VI or VII). Year : 1947

*42A Type of Service On: 1-Highway

*42B Type of Service Under: 5-Waterway

214A Movable Bridge: 0

214B Operator on Duty: 0

203 Type Bridge: E - Steel pile. N. Steel-Concrete M. Steel O. Concrete

259 Pile Encasement: 1

*43A Structure Type Main material: 4-Steel (Continuous)

*43B Structure Type Main Type: 2-Stringer/Multi-Beam or Girder

45 Number of Main Spans: 3

44 Structure Type Approach: A:0- Other B: 0- Other

46 Number of Approach Spans: 0

226 Bridge Curve: A: Vertical: NoB: Horizontal: No

111 Pier Protection: N - Navigation Control item coded 0, or Feature not a waterway

107 Deck Structure Type: 1 - C-I-P Portland Cement Concrete - Epoxy Coated Rebars

108A Wearing Surface Type: 1. Concrete

108B Membrane Type: 0. None

108C Deck Protection: 8. Unknown

265 Underwater Inspection Area: 0

Signs & Attachments

225 Expansion Joint Type: 02- Open or sealed concrete joint (silicone sealant).

242 Deck Drains: 1- Open Scuppers.

243A Parapet Location: 0- None present.

243B Parapet Height: 0.00

243C Parapet Width: 0.00

238A Curb Height: 1.2

238B Curb Material: 1- Concrete.

239A Handrail Left: 1- Concrete.

239B Handrail Right: 1- Concrete.

*240 Median Barrier Rail: 0- None.

241A Bridge Median Height: 0

241B Bridge Median Width: 0

*230A Guardrail Location Direction Rear: 3- Both sides.

*230B Guardrail Location Direction Fwd: 3- Both sides.

*230C Guardrail Location Opposing Rear: 0- None.

*230D Guardrail Location Opposing Fwd: 0- None.

244 Approach Slab: 3- Forward and Rear.

224 Retaining Wall: 0- None.

233 Posted Speed Limit: 55

236 Warning Sign: Yes

234 Delineator: Yes

235 Hazard Boards: Yes

237A Gas: 00- Not Applicable

237B Water: 00- Not Applicable

237C Electric: 00- Not Applicable

237D Telephone: 00- Not Applicable

237E Sewer: 00- Not Applicable

247A Lighting: Street: No

247B Navigation: No

247C Aerial: No

*248 County Continuity No.: 00

36A Bridge Railings: 2- Inspected feature meets acceptable construction date standards.

36B Transition: 2- Inspected feature meets acceptable construction date standards.

36C Approach Guardrail: 2- Inspected feature meets acceptable construction date standards.

36D Approach Guardrail Ends: 2- Inspected feature meets acceptable construction date standards.

Georgia Department of Transportation

Bridge Inventory Data Listing

Processed Date:Jul-15-2019 10:07:46 AM

Bridge Serial Number: 297-0024-0

County: Walton

SUFF. RATING: 51.4

Programming Data

201 Project Number: S-281 (4)
 202 Plans Available: 4- Plans in Infolmage/GAMS
 249 Proposed Project Number: 000000000000000000000000
 250A Reconstruction Approval Status: No
 250B Route Approval Status: No
 250C Approval Status Definition: 0
 250D Approval Status Federal: 0
 251Project Identification Number: 0015568
 252 Contract Date: Feb-01-1901
 260 Seismic Number: 00000
 75A Type Work Proposed: 34- Widening with deck rehabilitation or replacement
 75B Work Done by: 1- Work to be done by contract
 94 Bridge Improvement Cost:(X\$1,000) \$316
 95 Roadway Improvement Cost: (X\$1,000) \$32
 96 Total Improvement Cost: (X\$1,000) \$475
 76 Improvement Length: 292'
 97 Year Improvement Cost Based On: 2013
 114 Future AADT: 5550
 115 Future AADT Year: 2032

Measurements:

*29 AADT: 3700
 *30 AADT Year: 2012
 109 % Truck Traffic: 1
 * 28A Lanes On: 2
 *28B Lanes Under: 0
 210A Tracks On: 00
 210B Tracks Under: 0
 * 48 Maximum Span Length: 27
 * 49 Structure Length: 81
 51 Bridge Roadway Width: 23.7'
 52 Deck Width: 29.3'
 * 47 Total Horizontal Clearance: 23.7'
 50A Curb / Sidewalk Width Left: 2
 50B Curb / Sidewalk Width Right: 2
 32 Approach Rdwy. Width: 24'
***229 Approach Roadway**
Rear Shoulder Left: Width: 5 *Right Width:*5 Type: 8 - Grass (Dirt).
Fwd Shoulder: Left Width: 5 *Right Width:*5 Type: 8 - Grass (Dirt).
Rear Pavement: Width: 24 Type:2- Asphalt.
Forward Pavement: Width: 24 Type:2- Asphalt.
Intersection Rear: 0 *Forward:*0

Ratings and Posting

65 Inventory Rating Method: 1-Load Factor (LF)
 63 Operating Rating Method: 1-Load Factor (LF)
 66A Inventory Type: 2 - HS loading.
 66B Inventory Rating: 22
 64A Operating Type: 2 - HS loading.
 64B Operating Rating: 43

231Calculated Loads

231A H-Modified: 21 No
231B Type3/Tandem: 21 No
231C Timber: 28 No
231D HS-Modified: 25 No
231E Type 3S2: 36 No
231F Piggyback: 40 No
 261 H Inventory Rating: 17
 262 H Operating Rating: 29
 67 Structural Evaluation: 5
 58 Deck Condition: 6 - Satisfactory Condition
 59 Superstructure Condition: 6 - Satisfactory Condition
 * 227 Collision Damage:
 60A Substructure Condition: 5 - Fair Condition
 60B Scour Condition: 5 - Fair Condition

Posting Required

Hydraulic Data

113 Scour Critical: U. No Load Rating; no scour critical data entered.
 216A Water Depth: 3.1
 216B Bridge Height: 9.3
 222 Slope Protection: 6
 221A Spur Dike Rear:
 221B Spur Dike Fwd:
 219 Fender System: 0- None.
 220 Dolphin:
 223A Culvert Cover: 000
 223B Culvert Type: 0- Not Applicable
 223C Number of Barrels: 0
 223D Barrel Width: 0
 223E Barrel Height: 0
 223F Culvert Length: 0
 223G Culvert Apron: 0
 39 Navigation Vertical Clearance: 0'
 40 Navigation Horizontal Clearance: 0
 116 Navigation Vertical Clear Closed: 0

53 Minimum Vertical Clearance Over Rd: 99' 99"
 54A Under Reference Feature: N- Feature not a highway or railroad.
 54B Minimum Clearance Under: 0' 0"
***228 Minimum Vertical Clearance**
228A Actual Odometer Direction: 99'99"
228B Actual Opposing Direction: 99'99"
228C Posted Odometer Direction: 00'00"
228D Posted Opposing Direction: 00'00"
 55A Lateral Underclearance Reference: N- Feature not a highway or railroad.
 55B Lateral Underclearance on Right: 0
 56 Lateral Underclearance on Left: 0
 10A Direction of Travel for Max Min: 0
 10B Max Min Vertical Clearance: 99'99"
 245A Deck Thickness Main: 7.5
 245B Deck Thickness Approach: 0
 246 Overlay Thickness: 0

60C Underwater Condition: N - Not Applicable
 71 Waterway Adequacy: 8-Equal to present desirable criteria.
 61 Channel Protection Cond.: 5-Somewhat better than minimum adequacy to tolerate being left in place as is.
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Approach Alignment: 8-No reduction of vehicle operating speed required.
 62 Culvert: N - Not Applicable
 70 Bridge Posting Required: 5. Equal to or above legal loads
 41 Struct Open, Posted, CL: A. Open, no restriction
 * 103 Temporary Structure: No
232 Posted Loads
232A H-Modified: 00
232B Type3/Tandem: 00
232C Timber: 00
232D HS-Modified: 00
232E Type 3s2: 00
232F Piggyback: 00
 253 Notification Date: Feb-01-1901
 258 Federal Notify Date: Feb-01-1901

Minor Pavement Project Section Tool

PI Number

0015568

County

Walton

Project Description

SR 83 @ Polecat Creek Bridge Replacement

Design Year Two-Way ADT

5,150

Design Year One-Way ADT

2,575

S.U. Truck Percentage

6.5

M.U. Truck Percentage

4.5

ESAL Factor

0.85

Design Year Two-Way ADTT

566.5

Design Year One-Way ADTT

283.25

GAB Paid by the

Ton

Roundabout?

No

Total Daily Loadings

241

SSV (From Map or Soil Survey)

3.0

Regional Factor (From Map)

1.6

Summary of Criteria

SSV 3, RF 1.6, Total Daily Loadings 154 to 244

Minor Pavement Project Section

B-10

Material

Pay Item Number

9.5 mm SP, Type II

1.25

Inches

402-3103

19 mm SP

2

Inches

402-3190

25 mm SP

4

Inches

402-3121

GAB

10

Inches

310-1101



MEETING NOTES

PROJECT NAME	PI 0015568, SR 83 over Polecat Creek (Walton County)	
DATE	13 August 2019	
TIME	10:00AM to 12:00PM	
VENUE	District 1 Office Conference Rm 114 AV Auditorium	
SUBJECT	Concept Team Meeting	
PRESENT	Jeff Henry, GDOT Bridge PMC Terri Holbrook, GDOT UT Harold Mull, GDOT DCM Omayra Comas, GDOT Traf. Ops Chris Hash, GDOT A2 Const Justin Lott, GDOT D1 Design Carol Kalafut, GDOT Brg Shannon Giles, GDOT D1-A2 AM Geoffrey Donald, WSP USA Stephen Broadhead, WSP USA	Joshua Pisani, GDOT Bridge PMC Terry Allgood, Walton EMC Johnathan Mcloyd, GDOT PL Greg Hogue, GDOT Const Jonathon Dius, GDOT D1 R/W SueAnne Decker, GDOT D1 PreC Kelly Hariston, GDOT D1-A2 CM Lauren Bolstad, GDOT OES NEPA Stephen Linley, WSP USA
DISTRIBUTION	As above	

MATTERS ARISING

ACTION BY

Jeff Henry started introductions and noted that Joshua Pisani would be taking over as Project Manager for GDOT on this project. Jeff turned over discussion to Geoff Donald (WSP Project Manager) to go over the alternatives considered.	
PI 0015568, SR 83 over Polecat Creek Concept Report Discussion	
1. Geoff went over the layout for onsite detour which shows temporary bridge to the north side of the road. District 1 (D1) R/W would like to see the easements labeled showing what the easement includes such as temporary slopes, utility relocations, etc.	WSP to revise easement callouts
2. The typical sections in the attachment list were then discussed. D1 requested that the 6-foot shoulder be changed to a 10-foot shoulder for the 55 MPH design speed. D1 also requested that the paved shoulder be full depth for a width of 4' for constructability. D1 was also concerned with the tunnel effect over the detour bridge due to the barriers on both sides, WSP needs to look at reducing barrier lengths for the onsite detour alternative. D1 requested that the permanent bridge typical sections and detour typical sections be added to the plans	WSP to revise typical sections for shoulder width requested by D1. Add bridge typical sections. Reduce barrier need for onsite detour.

MEETING NOTES

<p>3. Then team then reviewed the text of the concept report.</p> <ul style="list-style-type: none">• Page 1,2 and 3 no comments• Page 4:<ul style="list-style-type: none">➢ Mainline Design Features:<ul style="list-style-type: none">○ Outside Shoulder Width Proposed- change to 10 feet with 4 foot paved○ Onsite detour shoulder - Reduce lane width to 11 feet to allow for more shoulder width, also look at reduced speed limit, 45 will be proposed. Need at least 2 feet shy distance to the barrier face.• Page 5:<ul style="list-style-type: none">➢ Transportation Management Plan:<ul style="list-style-type: none">○ Check the TCC box if staging plans are proposed➢ Utility Involvement:<ul style="list-style-type: none">○ Add utility owners from provided concept utility report➢ Right-of-Way:<ul style="list-style-type: none">○ Check the permanent easement box• Page 6:<ul style="list-style-type: none">➢ Environmental:<ul style="list-style-type: none">○ Update ecology section to note “found 2 resources” instead of “anticipate 3-5”○ Change archaeology report to an ASR• Page 7:<ul style="list-style-type: none">➢ Project Activity:<ul style="list-style-type: none">○ Providing Detours-revise to GDOT/ Contractor➢ Project cost Estimates:<ul style="list-style-type: none">○ PE Funding change estimated amount to \$900K revise totals○ Update Utility Cost estimates with provided estimates from D1• Page 8:<ul style="list-style-type: none">➢ Alternative 1;<ul style="list-style-type: none">○ Add detour map to attachments○ Consider showing offsite detour as preferred alternative, investigate if ABC time and cost savings can be implemented- D1 just built SR 211 over Beach Creek PI 0007159 in 60 days, ABC methods utilized grouting in precast deck panels.• Page 9:<ul style="list-style-type: none">➢ List of attachments:<ul style="list-style-type: none">○ Typical Sections- add bridge typical sections○ Cost Estimates revise CES unit cost items to \$45/sf for bridge demo, \$60/sf for temporary bridge, and \$125/sf for permanent bridge○ Add detour map○ Add provided utility estimate○ Add provided concept utility report <p>Add concept team meeting minutes</p>	<p>WSP to revise concept report as noted.</p>
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PI 0015568 NEXT STEPS:

D1 requested to look at a shifted permanent realignment as another alternative to be considered.
Revise concept report and resubmit by September 12 2019.

The foregoing is my understanding of the topics discussed. If you have any corrections or comments, please let me know by close of business on August 23, 2019.



Geoffrey Donald, P.E.
Project Manager

Donald, Geoffrey

From: Decker, Sue Anne <sdecker@dot.ga.gov>
Sent: Friday, October 11, 2019 3:50 PM
To: Phillips, Kim
Cc: Mull, Harold; Kirby, Brandon; Dykes, Jason; Peevy, Jonathan
Subject: Recommends: PI 0015568_Walton County_Concept Report for Review

Kim,

This detour needs to be coordinated with the letting of 0013998.

The sheets need to re-cut to put the bridge in the middle of the page, even if we have three plan sheets

While we have concerns about the length of the detour, we are ok with the detour given the low traffic ADT and the short duration (45 days).

Sue Anne Decker

DIPC District PreConstruction Engineer



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Hands-free cell phone use is the law when driving in Georgia. When drivers use cell phones and other electronic devices it must be with hands-free technology. There are many facets to the law. For details, visit <https://www.gahighwaysafety.org/highway-safety/hands-free-law/>